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			5c. PROGRAM ELEMENT NUMBER 611104		
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14. ABSTRACT During this Department of Defense, Army Research Office grant project, the AMTC supported the development of 18 manufacturing skill training courses with the addition of the Automation in Manufacturing, Quality Improvement, Lean Manufacturing and Surface Mount Technician courses added during this last year. Additionally, twenty-four credit courses were developed to support seven College Credit Certificate programs and the Associate of Science Engineering Technology degree completed during this last period. The AMTC's functional capabilities supported three projects: Department of Labor (DOL) Engineering Technology and					
15. SUBJECT TERMS Advanced Manufacturing Training Center (AMTC), Department of Labor (DOL), Engineering Technology and Advanced Manufacturing (ETAM), National Science Foundation (NSF)					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UU	15. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON Beth Mann Pace
a. REPORT UU	b. ABSTRACT UU	c. THIS PAGE UU			19b. TELEPHONE NUMBER 850-201-9766

## Report Title

Final Progress Report; Expanding the Nation's Manufacturing Technology Workforce Capacity; Contract Number W911NF-09-1-0457; Tallahassee Community College

### ABSTRACT

During this Department of Defense, Army Research Office grant project, the AMTC supported the development of 18 manufacturing skill training courses with the addition of the Automation in Manufacturing, Quality Improvement, Lean Manufacturing and Surface Mount Technician courses added during this last year. Additionally, twenty-four credit courses were developed to support seven College Credit Certificate programs and the Associate of Science Engineering Technology degree completed during this last period. The AMTC's functional capabilities supported three projects; Department of Labor (DOL) Engineering Technology and Advanced Manufacturing (ETAM), National Science Foundation (NSF) ATE Students in Engineering Technology and DOL FL TRADE project. In total, the AMTC served 405 students (184 in last year) in manufacturing skill training courses.

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**Enter List of papers submitted or published that acknowledge ARO support from the start of the project to the date of this printing. List the papers, including journal references, in the following categories:**

**(a) Papers published in peer-reviewed journals (N/A for none)**

Received

Paper

**TOTAL:**

**Number of Papers published in peer-reviewed journals:**

---

**(b) Papers published in non-peer-reviewed journals (N/A for none)**

Received

Paper

**TOTAL:**

**Number of Papers published in non peer-reviewed journals:**

---

**(c) Presentations**

Number of Presentations: 0.00

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**Non Peer-Reviewed Conference Proceeding publications (other than abstracts):**

Received      Paper

**TOTAL:**

Number of Non Peer-Reviewed Conference Proceeding publications (other than abstracts):

---

**Peer-Reviewed Conference Proceeding publications (other than abstracts):**

Received      Paper

**TOTAL:**

Number of Peer-Reviewed Conference Proceeding publications (other than abstracts):

---

**(d) Manuscripts**

Received      Paper

**TOTAL:**

Number of Manuscripts:

---

**Books**

Received      Paper

**TOTAL:**

## Patents Submitted

## Patents Awarded

## Awards

## Graduate Students

NAME

PERCENT SUPPORTED

**FTE Equivalent:**

**Total Number:**

## Names of Post Doctorates

NAME

PERCENT SUPPORTED

**FTE Equivalent:**

**Total Number:**

## Names of Faculty Supported

NAME

PERCENT SUPPORTED

**FTE Equivalent:**

**Total Number:**

## Names of Under Graduate students supported

NAME

PERCENT SUPPORTED

**FTE Equivalent:**

**Total Number:**

### Student Metrics

This section only applies to graduating undergraduates supported by this agreement in this reporting period

The number of undergraduates funded by this agreement who graduated during this period: ..... 0.00

The number of undergraduates funded by this agreement who graduated during this period with a degree in science, mathematics, engineering, or technology fields:..... 0.00

The number of undergraduates funded by your agreement who graduated during this period and will continue to pursue a graduate or Ph.D. degree in science, mathematics, engineering, or technology fields:..... 0.00

Number of graduating undergraduates who achieved a 3.5 GPA to 4.0 (4.0 max scale):..... 0.00

Number of graduating undergraduates funded by a DoD funded Center of Excellence grant for Education, Research and Engineering:..... 0.00

The number of undergraduates funded by your agreement who graduated during this period and intend to work for the Department of Defense ..... 0.00

The number of undergraduates funded by your agreement who graduated during this period and will receive scholarships or fellowships for further studies in science, mathematics, engineering or technology fields: ..... 0.00

### Names of Personnel receiving masters degrees

NAME

**Total Number:**

### Names of personnel receiving PHDs

NAME

**Total Number:**

### Names of other research staff

NAME

PERCENT SUPPORTED

**FTE Equivalent:**

**Total Number:**

### Sub Contractors (DD882)

### Inventions (DD882)

### Scientific Progress

None to Report

### Technology Transfer

# **Welcome Capital Region Manufacturers**

**Tallahassee Community College**  
**Advanced Manufacturing Training Center**



*Equipment and Training Devices used at the Advanced  
Manufacturing Training Center were funded in part by  
an Army Research Office grant*



# Program Update

- Current DOL Engineering Technology & Advanced Manufacturing (ETAM) Project
- National Science Foundation (NSF) Project; Students in Engineering Technology (SET)
- Florida Transforming Resources for Accelerated Degrees and Employment (TRADE) grant
- Industry Stackable Credentials



# **DOL ETAM Project**

- **Thru June 30, 2013**
- **Incumbent and unemployed worker training**
- **Subject Areas:**
  - **CNC Machine Operator**
  - **Electronics Aide**
  - **Surface Mount Technician**
  - **Quality Improvement Associate**
  - **Bronze Level Lean**
  - **Instrumentation Control Tech**





# **NSF SET Project**

- **Establish education career pathway into ET careers**
  - Godby High School
  - Wakulla High School
- **Develop ET Associate of Science Degree**
- **Coordinate articulation to 4-year institution**

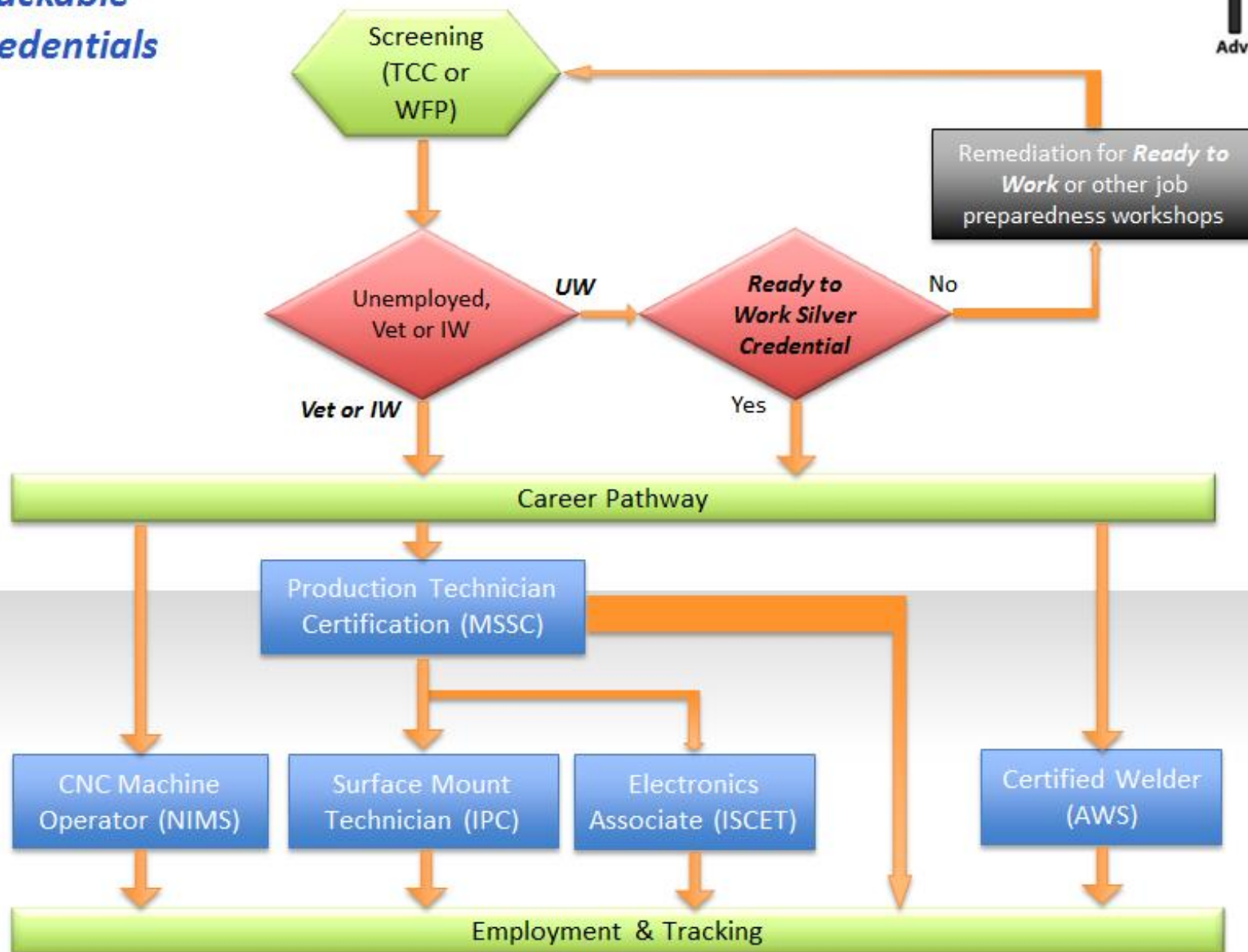


# Florida TRADE Project

- **Training workers that have lost their jobs or are at risk of losing their job as a result of foreign trade**
  - Veterans
  - Dislocated and incumbent workers
- **12 colleges, workforce boards, manufacturing associations, EDCs and consultants**
- **Thru Sept 2016**

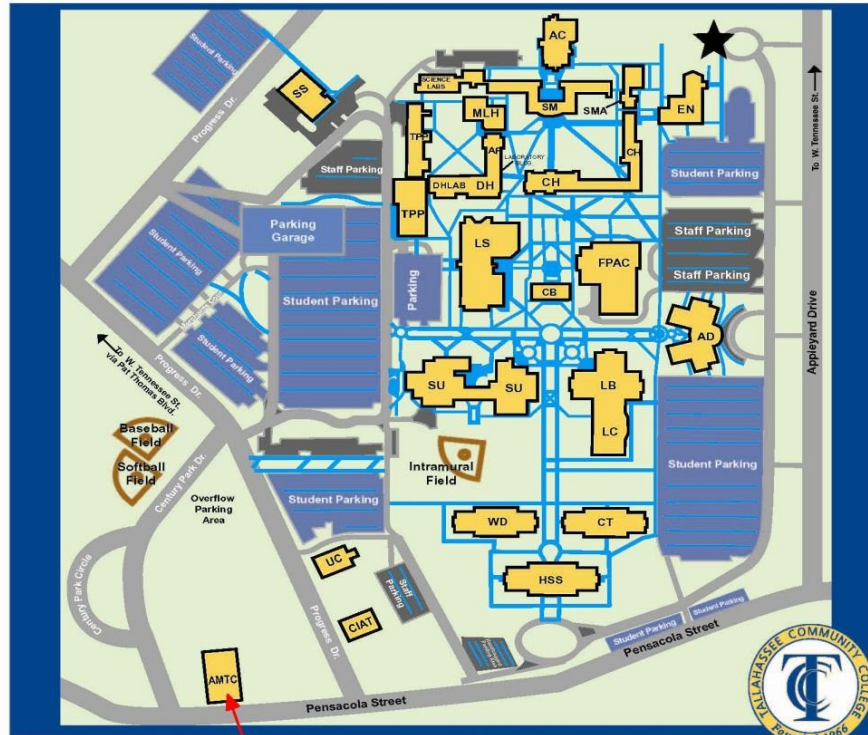


**TCC**  
**Pathways &**  
**Stackable**  
**Credentials**





# Tallahassee Community College



## TCC CAMPUS MAP LEGEND

AC	Academic Computing Center	CT	Computer Technology Building	SU	Student Union
AD	Hinson Administration Building	DH	Dental Hygiene Building		Bookstore
	Academic Affairs		Dental Hygiene Lab		Campus Life
	Administrative Services	EN	English Building		Career Center
	Business Office	FPAC	Fine and Performing Arts Center		Cashier
	Communications and Public Information		Center for Teaching Excellence		College Reach-Out Program (CROP)
	General Services and Procurement		Center for Teaching Excellence		Disability Support Services
	Human Resources		Ralph Hurst Gallery		Enrollment Services and Student Success
	Information Center		TCC Fine Art Gallery		Financial Aid
	Information Technology		Testing Center		Food Court
	Office of the President		Turner Auditorium		International Student Services
	TCC Foundation				Student Activities
AMTC	Advanced Manufacturing Training Center	HSS	T.K. Wetherell History and Social Sciences Building		Student Affairs
AP	Academic Support Building	LB	TCC Library		Veterans Center
CB	Center Building	LC	William D. Law, Jr. Learning Commons	TPP	Technology and Professional Programs Building
	Campus Police	LS	Lifetime Sports Complex	UC	University Center
	Print Shop		Athletics		Barry University
CH	Communications and Humanities Building		Fitness Center		Embry-Riddle Aeronautical University
CIAT	Construction/Industrial Applied Technology Building	MLH	Judge Walter T. Moore Science Lecture Hall		Flagler College
	Thomas University	SM	Science and Mathematics Building		Saint Leo University
		SMA	Science and Mathematics Annex	WD	Center for Workforce Development
		SS	Support Services Building		
				★	Star Metro Bus Stop

Not Shown on Map: TCC Capitol Center, Florida Public Safety Institute, Quincy House, Wakulla Center

- AMTC Front Desk
  - 201-9720
- Office
  - 201-9673

